

periphery of the ring shape magnet, and the ring shape magnet is radially arrayed and positioned with an axis of its north and south poles parallel to the diaphragm and the vibration plate.

2. (Amended) An electromagnetic actuator as described in claim 1 above, in which the magnet and the magnet yoke have two vibration plates and the two vibration plates are fixed inside the basket, and the magnet and the magnet yoke are supported by the two vibration plates in the basket, and the two vibration plates providing a double-suspension structure.

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